

COC 45

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9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132
20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711

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(509) 924-9200 X 924-9290
(503) 906-9200 FAX 906-9210
(541) 383-9310 FAX 382-7588

CHAIN OF CUSTODY REPORT

Work Order #: M106002

CLIENT: Bristol
REPORT TO: Ann Krawawelt
ADDRESS: Anchitka Island, Alaska
PHONE: 907 770 0974
FAX: 770 0975

INVOICE TO:

Bristol

PROJECT NAME: 770 0974

PROJECT NUMBER: Anchitka

SAMPLED BY: 21090

P.O. NUMBER:

21090

TURNAROUND REQUEST in Business Days*

Organic & Inorganic Analyses

10 7 5 4 3 2 1 <1

STD.

Petroleum Hydrocarbon Analyses

5 4 3 2 1 <1

STD.

Please Specify

OTHER

*Turnaround Requests less than standard may incur Rush Charges.

CLIENT SAMPLE IDENTIFICATION		SAMPLING DATE/TIME	TCLP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							</
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RELINQUISHED BY:

PRINT NAME: Ann Krawawelt

FIRM:

DATE: 6/1/01

TIME: 1346

RECEIVED BY:

PRINT NAME: Craig Bradlee

FIRM:

NCA

DATE: 6/1/01

TIME: 1347

RELINQUISHED BY:

PRINT NAME:

FIRM:

DATE:

TIME:

RECEIVED BY:

PRINT NAME:

FIRM:

DATE:

TIME:

ADDITIONAL REMARKS:



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
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541.383.9310 fax 541.382.7588

6 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 06/01/01 13:47. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M106002



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223
425.420.9200 fax 425.420.9210
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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/04/01 13:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMC209MI	M106002-01	Other dry	06/01/01 10:21	06/01/01 13:47
01AMC210MI	M106002-02	Other dry	06/01/01 13:20	06/01/01 13:47
01AMC211MI	M106002-03	Other dry	06/01/01 11:30	06/01/01 13:47
01AMC212MI	M106002-04	Other dry	06/01/01 13:25	06/01/01 13:47
01AMC213MI	M106002-05	Other dry	06/01/01 13:30	06/01/01 13:47
01AMC214MI	M106002-06	Other dry	06/01/01 13:35	06/01/01 13:47
01AMC215MI	M106002-07	Other dry	06/01/01 13:14	06/01/01 13:47

COC 45

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

1 of 5



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/04/01 13:08

TCLP Metals per EPA 1311/6000/7000 Series Methods
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMC209MI (M106002-01) Other dry						Sampled: 06/01/01 Received: 06/01/01			
Lead	ND	0.0500	mg/l	1	1311/7000	06/01/01	06/03/01	0106008	
01AMC210MI (M106002-02) Other dry						Sampled: 06/01/01 Received: 06/01/01			
Lead	ND	0.0500	mg/l	1	1311/7000	06/01/01	06/03/01	0106008	
01AMC211MI (M106002-03) Other dry						Sampled: 06/01/01 Received: 06/01/01			
Lead	ND	0.0500	mg/l	1	1311/7000	06/01/01	06/03/01	0106008	
01AMC212MI (M106002-04) Other dry						Sampled: 06/01/01 Received: 06/01/01			
Lead	0.798	0.0500	mg/l	1	1311/7000	06/02/01	06/03/01	0106013	
01AMC213MI (M106002-05) Other dry						Sampled: 06/01/01 Received: 06/01/01			
Lead	ND	0.0500	mg/l	1	1311/7000	06/01/01	06/03/01	0106008	
01AMC214MI (M106002-06) Other dry						Sampled: 06/01/01 Received: 06/01/01			
Lead	13.2	10.0	mg/l	1	1311/7000	06/02/01	06/03/01	0106013	
01AMC215MI (M106002-07) Other dry						Sampled: 06/01/01 Received: 06/01/01			
Lead	ND	0.0500	mg/l	1	1311/7000	06/02/01	06/03/01	0106013	

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Environmental Laboratory Network

2 of 5



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/04/01 13:08

TCLP Metals per EPA 1311/6000/7000 Series Methods - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0106008 - EPA 1311/3010

Blank (0106008-BLK1)

Prepared: 06/01/01 Analyzed: 06/03/01

Lead ND 0.0500 mg/l

LCS (0106008-BS1)

Prepared: 06/01/01 Analyzed: 06/03/01

Lead 1.74 1.25 mg/l 2.00 87.0 75-125

Matrix Spike (0106008-MS1)

Source: M106002-01

Prepared: 06/01/01 Analyzed: 06/03/01

Lead 1.88 1.25 mg/l 2.00 ND 94.0 50-150

Matrix Spike (0106008-MS2)

Source: M106002-02

Prepared: 06/01/01 Analyzed: 06/03/01

Lead 1.91 1.25 mg/l 2.00 ND 95.5 50-150

Matrix Spike (0106008-MS3)

Source: M106002-03

Prepared: 06/01/01 Analyzed: 06/03/01

Lead 1.90 1.25 mg/l 2.00 ND 95.0 50-150

Matrix Spike (0106008-MS4)

Source: M106002-05

Prepared: 06/01/01 Analyzed: 06/03/01

Lead 1.93 1.25 mg/l 2.00 ND 96.5 50-150

Batch 0106013 - EPA 1311/3010

Blank (0106013-BLK1)

Prepared & Analyzed: 06/03/01

Lead ND 0.0500 mg/l

LCS (0106013-BS1)

Prepared & Analyzed: 06/03/01

Lead 1.75 1.25 mg/l 2.00 87.5 75-125

Matrix Spike (0106013-MS1)

Source: M106002-04

Prepared & Analyzed: 06/03/01

Lead 1.99 1.25 mg/l 2.00 ND 59.6 50-150

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Environmental Laboratory Network

3 of 5



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/04/01 13:08

TCLP Metals per EPA 1311/6000/7000 Series Methods - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0106013 - EPA 1311/3010

Matrix Spike (0106013-MS2)

Source: M106002-06

Prepared & Analyzed: 06/03/01

Lead	ND	25.0	mg/l	2.00	ND	NR	50-150		Q-03
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Matrix Spike (0106013-MS3)

Source: M106002-07

Prepared & Analyzed: 06/03/01

Lead	1.98	1.25	mg/l	2.00	ND	97.9	50-150		
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Matrix Spike (0106013-MS4)

Source: M106003-01

Prepared & Analyzed: 06/03/01

Lead	1.96	1.25	mg/l	2.00	ND	96.5	50-150		
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North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/04/01 13:08

Notes and Definitions

Q-03 The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte already present in the sample.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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North Creek Analytical, Inc.
Environmental Laboratory Network

5 of 5

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M106002 FINAL 06 04 01 1308.mdb Default Report (not modified)
0106013-MS2	Pb TCLP 7000 Series	Lead	Q-03
0106013-MS2	Pb TCLP 7000 Series	Lead	Exceeds lower control limit